

IFW



Docket No.: 071226-0011

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
:
:
Terrence W. Schmidt, et al. : Customer Number: 31824
:
Serial No.: 10/712,798 : Group Art Unit: 3617
:
Filed: November 12, 2003 : Examiner: Not Yet Assigned
:
For: VARIABLE-DRAFT VESSEL :
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Further to our Request For Corrected Filing Receipt dated June 16, 2004, we note that the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application still does not correctly reflect the correct domestic priority data. As such, please find enclosed a copy of the Filing Receipt, as well as a copy of the first page of the specification as filed on November 12, 2003, evidencing the correct domestic priority benefit claim. Also enclosed is a Second Supplemental Application Data Sheet.

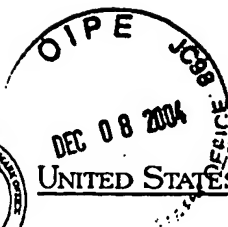
Accordingly, it is requested that a Corrected Filing Receipt be issued, which reflects that the application only claims the priority benefit of U.S. Provisional Patent Application No. 60/502,625, filed September 15, 2003, and U.S. Provisional Patent Application No. 60/426,070, filed November 12, 2002.

Respectfully submitted,

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ORC 353012-1.071226.0011



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Page 1 of 2

UNITED STATES DEPARTMENT OF COMMERCE
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| APPL NO. | FILING OR 371 (c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/712,798 | 11/12/2003 | 3617 | 1314 | 040092-032900US | 12 | 43 | 3 |

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CONFIRMATION NO. 7837
UPDATED FILING RECEIPT



OC000000012314799

Date Mailed: 04/08/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Terrence W. Schmidt, Santa Clara, CA;
Anthony J. Mannino, Twain Harte, CA;
Lewis D. Madden, Morgan Hill, CA;

Assignment For Published Patent Application

Lockheed Martin Corporation, Bethesda, MD;

Domestic Priority data as claimed by applicant

- ✓ This appln claims benefit of 60/502,625 09/15/2003
- ✓ and claims benefit of 60/426,070 11/12/2002
- and claims benefit of 60/494,377 08/11/2003

Foreign Applications

If Required, Foreign Filing License Granted: 02/09/2004

Projected Publication Date: 07/15/2004

Non-Publication Request: No

Early Publication Request: No

Title

Variable-draft vessel

Preliminary Class

114

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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VARIABLE-DRAFT VESSEL

CROSS-REFERENCES TO RELATED APPLICATIONS

5 [0001] This application claims the benefit of U.S. Provisional Patent Application No. 60/426,070, filed November 12, 2002, titled Multi-Mission-Type Ship and Related Concepts, of Terrence W. Schmidt et al.; and claims the benefit of U.S. Provisional Patent Application No. 60/502,625, filed September 15, 2003, titled Variable Depth/Variable Draft Catamaran (VDD CAT), of Terrance W. Schmidt et al., and are incorporated by reference herein in their entirety including all appendices thereto for all purposes.

10

BACKGROUND OF THE INVENTION

[0002] The present invention relates to vessels. More particularly, the present invention relates to a vessel having a variable draft, such that the vessel may be configured to operate in shallow waters and in deep waters.

15 [0003] Vessel hulls have traditionally been designed for specific uses, such as for use in shallow waters or in deep waters. Different hull designs provide for optimal operating characteristics for different uses. Shallow-draft vessels, for example, often have hulls that are relatively "flat" to maximize displacement and minimize draft, whereas deep-draft vessels often have v-shaped hulls that provide deep draft for desired seakeeping (e.g., good
20 seakeeping providing low undesired motion, such as vertical motion or rocking).

[0004] More specifically, shallow-draft vessels are often designed with flat bottom hulls to provide the ability to navigate in relatively shallow waters, such as in shallow-water harbors, along rivers, along shorelines and in other bodies of shallow water. Shallow-draft vessels are also designed to maximize payload carrying capacity and to provide for simplified on-loading
25 and off-loading of cargo. Examples of shallow-draft vessels include landing craft mechanized (LCM) and landing craft utility (LCU) that are often used by amphibious military forces to transport equipment and troops from sea to beachheads and/or to piers.

[0005] Shallow-draft vessels typically have relatively high water resistance due in part to large beam to length ratios, large wetted surfaces, and blunt water contact. Such
30 characteristics provide for the generation of large amounts of resistance, such as turbulence and/or Kelvin wake, and high power requirements. Accordingly, shallow-draft vessels

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Application Data Sheet

Application Information

| | |
|----------------------------------|-----------------------|
| Application No.:: | 10/712,798 |
| Filing Date:: | 11/12/03 |
| Application Type:: | Regular |
| Subject Matter:: | Utility |
| Suggested Classification:: | |
| Suggested Group Art Unit:: | |
| CD-ROM or CD-R?:: | None |
| Title:: | VARIABLE-DRAFT VESSEL |
| Request for Early Publication?:: | No |
| Request for Non-Publication?:: | No |
| Suggested Drawing Figure:: | 10A |
| Total Drawing Sheets:: | 12 |
| Small Entity:: | No |
| Petition included?:: | No |
| Secrecy Order in Parent Appl.?:: | No |

Applicant Information

| | |
|----------------------------------|---------------|
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Correspondence Information

Correspondence Customer Number:: 31824

Representative Information

Representative Customer Number:: 31824

Domestic Priority Information

| Application:: | Continuity Type:: | Parent Application:: | Parent Filing Date:: |
|---------------|--|----------------------|----------------------|
| 10/712,798 | <i>An application claiming the benefit under 35 USC 119(e)</i> | 60/502,625 | 9/15/03 |
| 10/712,798 | <i>An application claiming the benefit under 35 USC 119(e)</i> | 60/426,070 | 11/12/02 |

Foreign Priority Information

| Country:: | Application Number:: | Filing Date:: | Priority Claimed:: |
|-----------|----------------------|---------------|--------------------|
| | | | No |

Assignee Information

| | |
|----------------|---|
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ORC 339960-1.071226.0011